

# CONVENTIONS

- Java Code Convention
- Java Class Name Convention
- JSP Name Convention
- URL Mapping Convention

# JAVA CODE CONVENTION

- Use some parts of Java Code Convention from Oracle (originally published by Sun Microsystems in 1997)
- Brackets style: opening at the end of line
- Tabs: 4 white spaces

```
public class Person {  
    protected int id;  
    protected String name;  
    protected Gender gender;  
  
    public Person(int id, String name, Gender gender) {  
        this.id = id;  
        this.name = name;  
        this.gender = gender;  
    }  
}
```

# JAVA CODE CONVENTION (Contd.)

- Class Names: Noun + CamelCase
  - *Ex: Person, User, BookService, ...*
- Method Names: verb + noun + camelCase
  - *Ex: editUser(), deleteUser(), listBook(),...*
- Variable Names: noun + camelCase
  - *Ex: user, newCategory, totalBooks, ...*
- Comments: rarely used
- Code should be self-explanatory

# JAVA CLASS NAME CONVENTION

- DAO Classes: <Entity>DAO
  - *Ex: UserDao, BookDao, OrderDao*
- Service Classes: <Entity>Services
  - *Ex: UserServices, BookServices*
- Servlet Classes: <Action><Entity>Servlet
  - *Ex: CreateBookServlet, ListBookServlet, PlaceOrderServlet*

# JSP NAME CONVENTION

- Listing Page: <Entity>\_list.jsp
  - *Ex: book\_list.jsp, customer\_list.jsp*
- New/Edit Page: <Entity>\_form.jsp
  - *Ex: book\_form.jsp, category\_form.jsp*

# URL MAPPING CONVENTION

- Homepage (frontend):
  - *http://localhost:8080/BookStore/*
- Backend:
  - *http://localhost:8080/BookStore/admin*
- Listing Page: */list\_<entity>*
  - *Ex: /list\_books, /list\_categories, /list\_customers*
- New Page: */new\_<entity>; /<entity>\_form.jsp*
  - *Ex: /new\_book, /user\_form.jsp*

# URL MAPPING CONVENTION (Contd.)

- Save URL: /create\_<entity>
  - *Ex: /create\_book, /create\_category /create\_customer*
- Edit URL: /edit\_<entity>
  - *Ex: /edit\_book, /edit\_category /edit\_customer*
- Update URL: /update\_<entity>
  - *Ex: /update\_book, /update\_category /update\_customer*
- Delete URL: /delete\_<entity>
  - *Ex: /delete\_book, /delete\_category /delete\_customer*